

TABLE 2.—Instrumental seismological reports, September, 1918—Con.

Date.	Character.	Phase.	Time.	Period T.	Amplitude.		Distance.	Remarks.
					A _N	A _E		
Massachusetts. Cambridge. Harvard University Seismographic Station, J. B. Woodworth.								
Lat., 42° 23' 36" N.; long., 71° 06' 59" W. Elevation, 5.4 meters. Foundation: Glacial sand over clay.								
Instruments: Two Bosch-Omori 100 kg. horizontal pendulums (mechanical registration).								
Instrumental constants.					$\sqrt{\frac{V}{N}}$	$\frac{T_0}{50}$	$\frac{g}{25}$	$\frac{0}{4:1}$
1918.			H. m. s.	Sec.	μ	μ	km.	
Aug. 4			16 postea					8 sec. periods for about 15 minutes. Clock contacts failed; time approximate only.
5			L _N ... { 2 35 ..	20				
			to... { 2 50 ..					
8			e _N ?... 10 25 17					
			eL _N ... 10 38 21	40				
			L _N ... 10 43 31	20				
			L _N ... 10 46 21	30				
			L _N ... 10 49 55	25				
			L _N ... 10 51 00	30				
			L _N ... 10 56 47	20				Amplitude N increases.
			to... 10 59 11	18				
			F _N ... 11 37 ..					
14			L _N ... 18 15 51					
			F... 19 19 ..					
14			e _N ?... 20 54 37					Possibly artificial. Some record on N also.
			L _N ... 20 54 53	8-13				
			F... 21 15 ..					
15			O... 12 26 21				6,426	Break in record from 13 h. 01 m. to 13 h. 05 m. changing sheets, and on E from 14 h. 56 m. to 15 h. 44 m. stylus tipped over.
			P _N ... 12 35 44	2				
			L... 12 37 56					
			L... 12 38 07	2				
			S _N ... 12 42 43	20				
			eL _N ... 12 52 22					
			eM _N ... 12 58 ..	22				
			M _N ... 13 28 ..					
			M _N ... 13 30 30	28				
			M _N ... 13 38 30	30				
			M _N ... 13 46 36	16				
			M _N ... 13 54 ..					
			L _N ... 14 04 30					
			L _N ... 16 34 ..	24				
			to... 16 46 ..					
			F _N ... 17 15 ..					
15			O?... 17 48 24				9,850?	
			S _N ?... 18 10 50	8				
			L _N ... 18 30 18	26				
			L _N ... 18 30 54?					
			L _N ... 18 34 30	30				
			M _N ?... 18 39 53	24				
			L _N ... 18 49 ..	20				
			L _N ... 18 57 ..	15				
			F... 19 52 ..					
21			O... 4 11 54				225	Local shock near South Paris, Me. (44° 07' 40" N., 70° 32' 18" W.).
			P _N ... 4 12 28					
			M _N ... 4 12 53					
			C... 4 13 04	8				
			to... 4 13 45					
			F... 4 14 08					
23			O... 6 43 47				10,960	Volcanoes "Llame" (Llaimas?) and Lanin in Andes reported in eruption. Lanin 71° 30' W., 39° 45' S. About 9,000 kms.
			eP _N ... 7 02 ..					
			e _N ... 7 06 13					
			S _N ... 7 14 14	20				
			S _N ... 7 14 59					
			eL _N ... 7 30 51	40				
			L _N ... 7 42 ..	20				
			L _N ... 7 48 54	15				
			F... 8 50 ..					

SEISMOLOGICAL DISPATCHES.¹

Buenos Aires, August 23, 1918 (belated dispatch).

Government telegraph stations report that the eruption of Mounts Llame and Lanin, in the territory of Neuquen, are not serious. The inhabitants of two towns near the mountains were reported to have left their homes. (Assoc. Pr.)

Honolulu, T. H., August 30, 1918 (belated dispatch).

The great active volcano of Kilauea, on the island of Hawaii, which caused a sensation in the scientific world last February by suddenly discharging a lava flow from its inner pit, is now showing preliminary signs of another eruption. (Assoc. Pr.)

No press reports of seismological or volcanological disturbances were received during September, 1918.

RECORD OF SEA WAVES PRODUCED BY THE EARTHQUAKE OF SEPTEMBER 7, 1918.

[Communicated by the United States Coast and Geodetic Survey.]

The tide gages of the United States Coast and Geodetic Survey at San Francisco, Cal., and Honolulu, Hawaii, recorded a marked tidal disturbance on the two days following the earthquake of September 7, 1918. The disturbance began with a rise of tide in each case.

At Honolulu the beginning occurred at 1^h 25^m p. m., Hawaiian standard time, or 23^h 55^m G. M. T. The maximum amplitude of about 0.9 foot came not quite an hour later. The waves were quite regular, as a rule, with an average period of about 25 minutes, and were still in evidence, though of small amplitude, two days after the beginning.

At San Francisco the beginning occurred about 6^h 40^m p. m., 120th meridian standard time, or 2^h 40^m G. M. T., September 8. The maximum amplitude of about 3 inches came not quite an hour later. The waves were very irregular, so that only an approximate determination of the period was possible, somewhere between 15 and 20 seconds.

Records of this earthquake from the seismographs at the magnetic observatories of this bureau indicate that the earthquake occurred at about 17^h 17^m G. M. T., so that it took the sea waves 6^h 38^m to reach Honolulu and 9^h 23^m to reach San Francisco.

¹ Reported by the organization indicated and collected by the seismological station at Georgetown University, Washington, D. C.